

ABSTRACT

5 A light beam display employs a polygon reflector to scan one or more light beams in horizontal scan lines on a display screen. A horizontal scan line correction lens is provided in the optical path between the display screen and the polygon reflector to correct scan line bowing. An optical mechanical element is provided for vertically shifting the light beams so as to illuminate different scan lines of the display screen. Control electronics is employed to adjust the timing on a line by line basis to correct vertical pixel line distortion introduced by the correction lens.